

CLAIMS

What is claimed is:

1 1. A computer-implemented method employed within a network comprising:
2 displaying a hierarchical tree structure having one or more tree nodes in a graphical
3 user interface, each of the one or more tree nodes representing a resource of an application
4 server, wherein at least one of the tree nodes represents a service of the application server;
5 selecting the tree node representing the service of the application server; and
6 displaying a list of one or more service references associated with the service
7 represented by the selected tree node in the graphical user interface.

1 2. The method of claim 1, wherein displaying the hierarchical tree structure having one
2 or more tree nodes in the graphical user interface comprises:

3 displaying the hierarchical tree structure in a first window pane of the graphical user
4 interface; and wherein displaying the list of one or more service references associated with
5 the selected tree node in the graphical user interface comprises:

6 displaying the list of one or more service references associated with the service
7 represented by the selected tree node in a second window pane of the graphical user
8 interface.

1 3. The method of claim 2, wherein displaying the list of one or more service references
2 associated with the selected tree node comprises:

3 displaying a service reference name, for each listed service reference, wherein the
4 service reference name is to identify the service reference.

1 4. The method of claim 3, wherein displaying the list of one or more service references
2 associated with the selected tree node further comprises:

3 displaying a relationship value, for each listed service reference, wherein the
4 relationship value is to specify whether the listed service reference is to be automatically
5 started when the service represented by the selected tree node is started.

1 5. The method of claim 4, wherein the displayed relationship value is hard, if the listed
2 service reference is to be automatically started when the service represented by the selected
3 tree node is started.

1 6. The method of claim 4, wherein the displayed relationship value is weak, if the listed
2 service reference is not automatically started when the service represented by the selected
3 tree node is started.

1 7. The method of claim 4, wherein displaying the list of one or more service references
2 associated with the selected tree node further comprises:

3 displaying a service reference type for each listed service reference, wherein the
4 service reference type is to specify a service reference type for the listed service reference.

1 8. The method of claim 7, wherein the displayed service reference type is one of
2 a service type,
3 a library type, and
4 an interface type.

1 9. The method of claim 4, further comprising:
2 selecting one of the listed service references; and
3 providing a relationship value for the selected service reference to specify whether the
4 selected service reference is to be automatically started when the service represented by the
5 selected tree node is started.

1 10. An apparatus comprising:
2 a graphical user interface; and
3 a processor and logic executable thereon to
4 display a hierarchical tree structure having one or more tree nodes in the
5 graphical user interface, each of the one or more tree nodes representing a resource of an
6 application server, wherein at least one of the tree nodes represents a service of the
7 application server;
8 select the tree node representing the service of the application server; and
9 display a list of one or more service references associated with the service
10 represented by the selected tree node in the graphical user interface.

1 11. The apparatus of claim 10, wherein the graphical user interface comprises:
2 a Swing-based graphical user interface.

1 12. The apparatus of claim 10, wherein each of the one or more tree nodes comprises:
2 a managed bean to provide a management interface for the represented application
3 server resource.

1 13. The apparatus of claim 10, wherein the processor and logic executable thereon to
2 display the list of one or more service references associated with the service comprises a
3 processor and logic executable thereon to
4 display a service reference name, for each listed service reference, wherein the
5 service reference name is to identify the service reference.

1 14. The apparatus of claim 13, wherein the processor and logic executable thereon to
2 display the list of one or more service references associated with the service comprises a
3 processor and logic executable thereon to

4 display a relationship value, for each listed service reference, wherein the relationship
5 value is to specify whether the listed service reference is to be automatically started when the
6 service represented by the selected tree node is started.

1 15. The apparatus of claim 14, wherein the displayed relationship value is hard, if the
2 listed service reference is to be automatically started when the service represented by the
3 selected tree node is started.

1 16. The apparatus of claim 14, wherein the processor and logic executable thereon further
2 comprises:

3 a processor and logic executable thereon to
4 select one of the listed service references; and
5 provide a relationship value for the selected service reference to specify
6 whether the selected service reference is to be automatically started when the service
7 represented by the selected tree node is started.

1 17. A monitoring system graphical user interface comprising:
2 a hierarchical tree structure having one or more tree nodes, each of the one or more
3 tree nodes representing a resource of an application server, wherein at least one of the tree
4 nodes represents a service of the application server, the one or more tree nodes selectable via
5 a cursor control device; and
6 wherein upon selecting the tree node representing the service of the application
7 server, a list of one or more service references associated with the service is displayed in the
8 graphical user interface.

1 18. The graphical user interface of claim 17, wherein each of the listed service references
2 comprises:

3 a relationship value, wherein the relationship value is to specify whether the listed
4 service reference is to be automatically started when the service represented by the selected
5 tree node is started.

1 19. The graphical user interface of claim 18, wherein, as the cursor control device selects
2 one of the listed service references, a pull-down menu providing one or more alternative
3 relationship values becomes available within the graphical user interface.

1 20. A system comprising:

2 a means for displaying a hierarchical tree structure having one or more tree nodes in a
3 graphical user interface, each of the one or more tree nodes representing a resource of an
4 application server, wherein at least one of the tree nodes represents a service of the
5 application server;

6 a means for selecting the tree node representing the service of the application server;
7 and

8 a means for displaying a list of one or more service references associated with the
9 service represented by the selected tree node in the graphical user interface.

1 21. The system of claim 20, wherein the means for displaying the list of one or more
2 service references comprises:

3 a means for displaying a service reference name, for each listed service reference,
4 wherein the service reference name is to identify the service reference.

1 22. The system of claim 21, wherein the means for displaying the list of one or more
2 service references further comprises:

3 a means for displaying a relationship value, for each listed service reference, wherein
4 the relationship value is to specify whether the listed service reference is to be automatically
5 started when the service represented by the selected tree node is started.

1 23. The system of claim 22, wherein

2 the displayed relationship value is hard, if the listed service reference is to be
3 automatically started when the service represented by the selected tree node is started; and
4 the displayed relationship value is weak, if the listed service reference is not
5 automatically started when the service represented by the selected tree node is started.

1 24. The system of claim 22, further comprising:

2 a means for selecting one of the listed service references; and
3 a means for providing a relationship value for the selected service reference to specify
4 whether the selected service reference is to be automatically started when the service
5 represented by the selected tree node is started.

1 25. An article of manufacture comprising:

2 an electronically accessible medium providing instructions that, when executed by an
3 apparatus, cause the apparatus to
4 display a hierarchical tree structure having one or more tree nodes in a
5 graphical user interface, each of the one or more tree nodes representing a resource of an
6 application server, wherein at least one of the tree nodes represents a service of the
7 application server;
8 select the tree node representing the service of the application server; and

9 display a list of one or more service references associated with the service
10 represented by the selected tree node in the graphical user interface.

1 26. The article of manufacture of claim 25, wherein the instructions that, when executed
2 by the apparatus, cause the apparatus to display the list of one or more service references
3 cause the apparatus to

4 display a service reference name, for each listed service reference, wherein the
5 service reference name is to identify the service reference.

1 27. The article of manufacture of claim 26, wherein the instructions that, when executed
2 by the apparatus, cause the apparatus to display the list of one or more service references
3 further cause the apparatus to

4 display a relationship value, for each listed service reference, wherein the relationship
5 value is to specify whether the listed service reference is to be automatically started when the
6 service represented by the selected tree node is started.

1 28. The article of manufacture of claim 27, wherein
2 the displayed relationship value is hard, if the listed service reference is to be
3 automatically started when the service represented by the selected tree node is started; and
4 the displayed relationship value is weak, if the listed service reference is not
5 automatically started when the service represented by the selected tree node is started.

1 29. The article of manufacture of claim 27, wherein the instructions that, when executed
2 by the apparatus, cause the apparatus to display the list of one or more service references
3 further cause the apparatus to
4 display a service reference type for each listed service reference, wherein the service
5 reference type is to specify a service reference type for the listed service reference.

1 30. The article of manufacture of claim 30, wherein the electronically accessible medium
2 provides further instructions that, when executed by the apparatus, cause the apparatus to
3 select the tree node representing the service of the application; and
4 display a list of one or more service references associated with the service represented
5 by the selected tree node in the graphical user interface.